

but channel A is perfect gaussian when observed on the scope

bad solder joint?

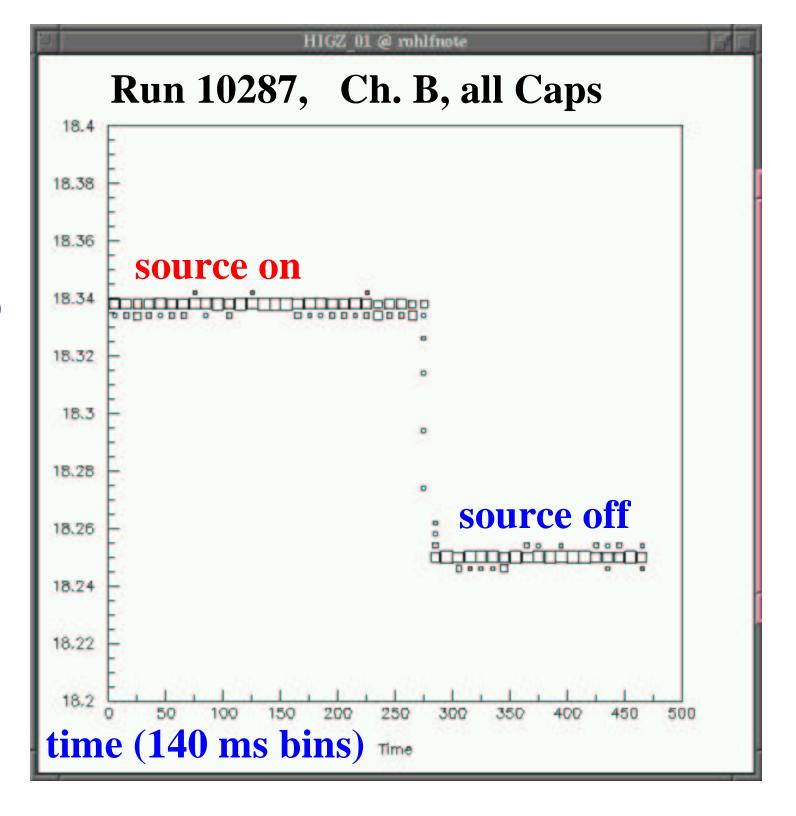
bad HTR FPGA code?

EXT PARAMETER					STEP]	FIRST	
NO.	NAME	VALU	E	ERROR		SIZE	DERIVA	ATIVE
1 (Constant	0.23023E-	-06	287.01	0.00	000	-0.12522E	-04
2 N	Mean	19.481	0.16	6445E-02	0.000	00	6.9287	
3 5	Sigma	1.5711	0.10	0629E-02	0.000	00	25.113	
CHIS	QUARE	= 0.3831E+	-04	NPFIT =	25			

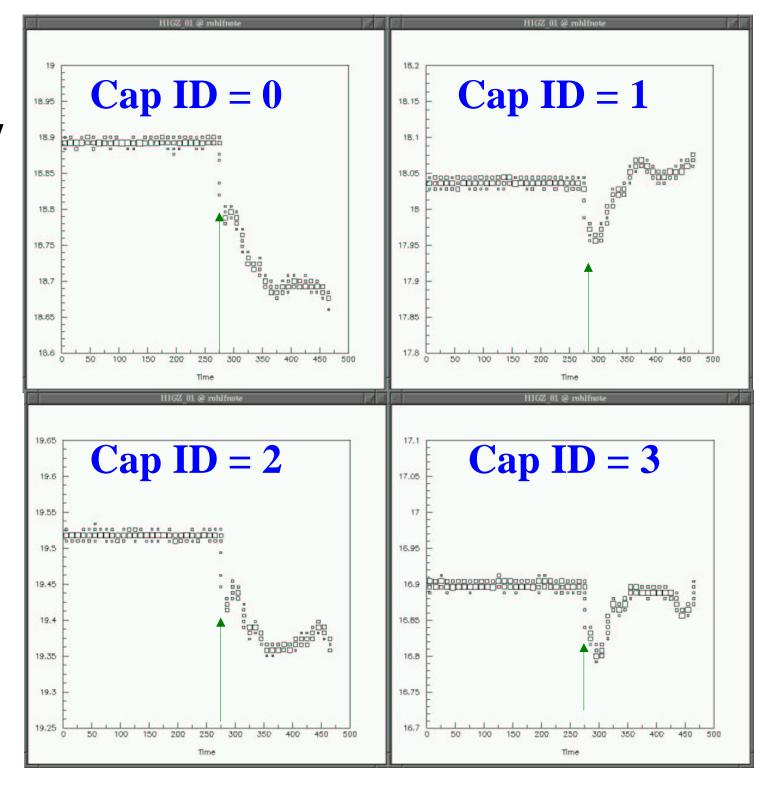
HIGZ 01 @ rohlfnote Run 10287, Ch. A all 19.1 can see the source at a signal 19.05 of 0.002 channels! source on 18.95 source off 18.9 18,85 18.8 18,75 18.7 100 200 300 350 400 450 500 time (140 ms bins) Time

Mean (channels)

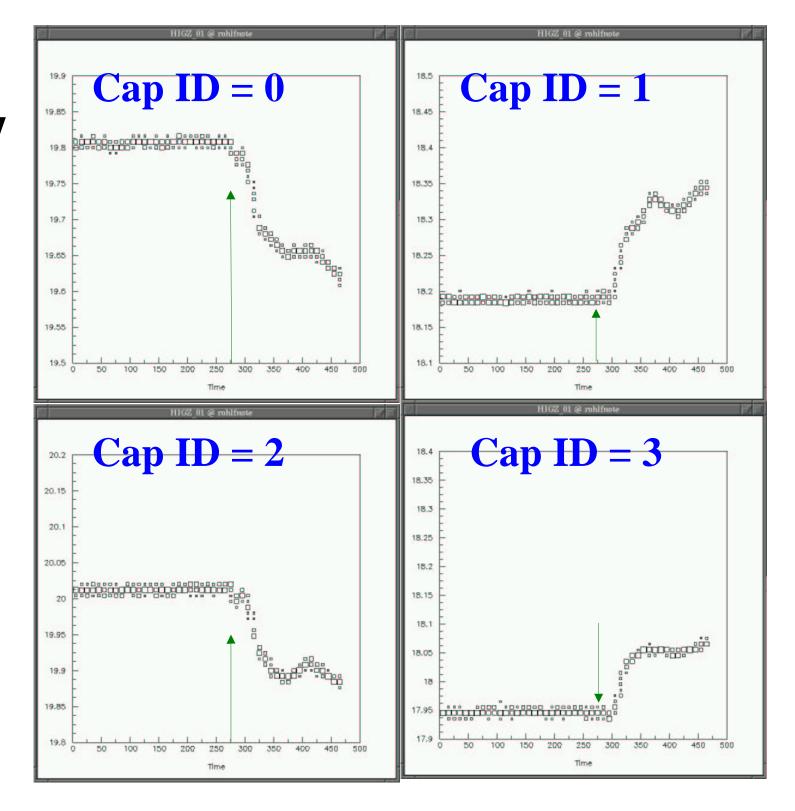
Mean (channels)



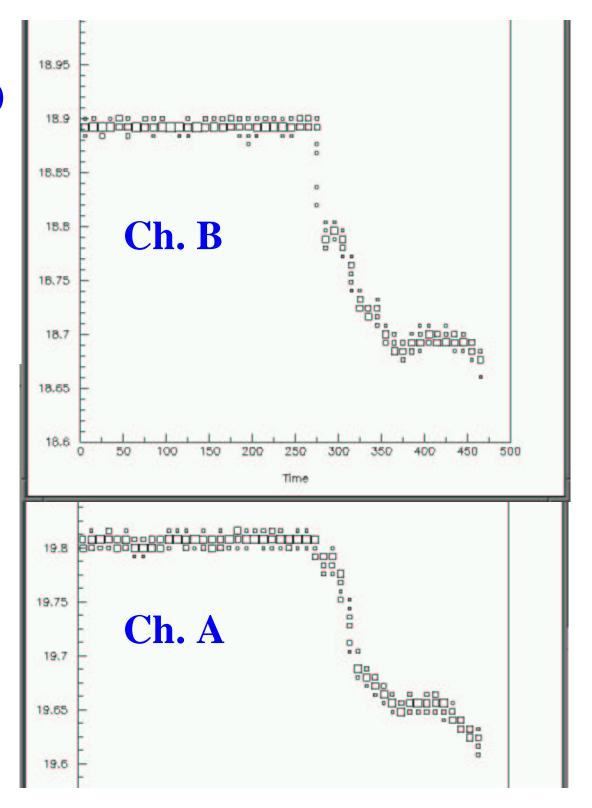
Run 10287 Ch. B



Run 10287 Ch. A



Cap ID = 0



Preliminary conclusion:

correlated drifting of the individual caps on a scale of 0.1 channels in response to a signal (large or small) appears to be clock—induced